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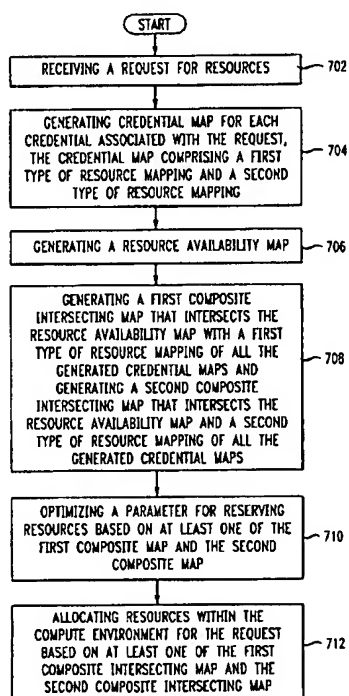
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(54) Title: **SYSTEM AND METHOD FOR ENFORCING FUTURE POLICIES IN A COMPUTE ENVIRONMENT**



(57) Abstract: The invention relates to a system, method and computer-reliable medium, as well as grids and clusters managed according to the method described herein. An example embodiment relates to a method of processing a request for resources within a compute environment. The method is practiced by a system that contains modules configured or programmed to carry out the steps of the invention. The system receives a request for resources, generates a credential map for each credential associated with the request, the credential map comprising a first type of resource mapping and a second type of resource mapping. The system generates a resource availability map, generates a first composite intersecting map that intersects the resource availability map with a first type of resource mapping of all generated credential maps and generates a second composite intersecting map that intersects the resource availability map and a second type of resource mapping of all the generated credential maps. With the first and second composite intersecting maps, the system can allocate resources within the compute environment for the request based on at least one of the first composite intersecting map and the second composite intersecting map. The allocations or reservation for the request can then be made in an optimal way for parameters such as the earliest time possible based on available resources and also that maintains the constraints on the requestor.



— of inventorship (Rule 4.17(iv))

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